

Translation

PATENT COOPERATION TREATY



PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

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INTERNATIO	(PCT Article 36 and	Kule (0)	1 Preliminary
•			ionofTransmittalofInternational Preliminary Report (Form PCT/IPEA/416)
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and the second s	FOR FURTHER ACTION		Priority date (day/month/year) 2002 (04.06.2002)
Applicant's or agent's file reference	leta (day/	month/year)	Priority date (day/montra/year) 04 June 2002 (04.06.2002)
A0011	International filing date (and	6.2003)	04 June
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International 47	tional classification and IPC		
International application 7007002 PCT/JP2003/007002 International Patent Classification (IPC) of C21K 1/06, 1/00	t uarionar an		
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li ant	, ma		International Preliminary Examining Authority cover sheet.
Applicant			International Preliminary Examining
	and has been pre	pared by this	Willer
i and preliminary	examination report in examination report in Article 36.		
This international preliminary and is transmitted to the appli	cant according	ncluding this	cover sheet.
and is transfer	total of3 sheets, i	. 1	escription, claims and/or drawings which have been escription, claims and/or drawings which have been rectifications made before this Authority (see Rule PCT).
2. This REPORT consists of a	ANNEXES, i.e.,	sheets of the d	rectifications made before una
z.	companied by ANNEXES, items basis for this report and/or sheed 07 of the Administrative Instruct	ts containing ions under the	PCT).
This report and are the	basis for distribution of the Administrative Instruct	701-	
70.16 and Section of	07 02 m	sheets.	
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THOSE	to the following i	tems:	
- ort contains indic	cations relating to the following i		
3. This report coars	the report		4 1176-1
I Basis or			or en and industrial applicability
Priority	with rega	ard to novelty,	inventive step and industrial applicability
II L	tablishment of opinion will res		to novelty, inventive step or industrial applicability; t
m L Non sa	of invention		an avelty, inventive step or industrial off
IV Lack C	of unity of invention	2) with regard	to novers.
IV Reason	oned statement under Article 35() ones and explanations supporting	SUCII Surre	
Certi	ain documents cited	nnlication	
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VII Cen	tain defects in the international tain observations on the internations.	ional applicat	40.
VIII Cer	tain observations		
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			ate of completion of this report
		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	16 December 2003 (16.12.2003)
Date of submission of the	e demand	1	16 Decora
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INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/JP2003/007002

I. 1	Basis o	f the report	
1.	With r	egard to the elements of the international application:*	
	\boxtimes	the international application as originally filed	Ì
		the description:	
		pages	, as originally filed
		pages	, filed with the demand
		pages, filed with the letter of	
		the claims:	
		pages	, as originally filed
		pages, as amended (together with any sta	tement under Article 19
		pages	, filed with the demaild
		pages, filed with the letter of	
		the drawings:	
		pages	, as originally filed
		pages	, filed with the demand
		pages, filed with the letter of	
	☐ t	he sequence listing part of the description:	
	_	pages	, as originally filed
		pages	_, med with the domina
		pages, filed with the letter of	
2.	the ir	regard to the language, all the elements marked above were available or furnished to this Authority iternational application was filed, unless otherwise indicated under this item. e elements were available or furnished to this Authority in the following language the language of a translation furnished for the purposes of international search (under Rule 23.1(b)). the language of publication of the international application (under Rule 48.3(b)). the language of the translation furnished for the purposes of international preliminary examinatio or 55.3).	which is:
3.	. With	n regard to any nucleotide and/or amino acid sequence disclosed in the international application minary examination was carried out on the basis of the sequence listing:	cation, the international
i	\Box	contained in the international application in written form.	
	П	filed together with the international application in computer readable form.	
		furnished subsequently to this Authority in written form.	
		furnished subsequently to this Authority in computer readable form.	
		The statement that the subsequently furnished written sequence listing does not go beyone international application as filed has been furnished.	
		The statement that the information recorded in computer readable form is identical to the write been furnished.	ten sequence listing has
4	. 🔲	The amendments have resulted in the cancellation of:	
İ		the description, pages	
l		the claims, Nos.	
		the drawings, sheets/fig	
5	i. 🔲	This report has been established as if (some of) the amendments had not been made, since they ha beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).**	ve been considered to go
	in th	acement sheets which have been furnished to the receiving Office in response to an invitation under his report as "originally filed" and are not annexed to this report since they do not contain (70.17).	Article 14 are referred to amendments (Rule 70.16
4		replacement sheet containing such amendments must be referred to under item 1 and annexed to this i	report.



INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/JP03/07002

v.	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability
	citations and explanations supporting such statement

Novelty (N)	Claims	2-6, 8-11	YE
	Claims	1, 7	NC
Inventive step (IS)	Claims		YE
	Claims	1-11	NO.
Industrial applicability (IA)	Claims	1-11	YE
	Claims		NO

2. Citations and explanations

Claims 1 and 7

Document 1: EP, 1035422, A2 (Riken), 22 September, 2000 (22.09.00), Description of preferred embodiments, and JP, 2000-258598, A

Document 2: EP, 1080836, A2 (Riken), 13 March, 2001 (13.03.01), Description of preferred embodiments, and JP, 2001-62691, A

Documents 1 and 2 describe a neutron beam control apparatus using glassy carbon, etc. that has an index of refraction smaller than 1 for neutron beams.

Claims 2-6 and 8-11

Document 1 (Figs. 2 and 3) describes that columnar prisms whose sections are in the shape of almost a right triangle are so layered in a three-dimensional manner that the sides of one prism are parallel to those of another. In such a constitution, a person skilled in the art could have adopted positioning members as required. As the cutting method, "ELID cutting process," is described in document 2 ([0034]), each of the processes described in claims 8-11 is well known.